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(54) METHOD FOR ADHESIVE TREATMENT OF ARAMID FIBER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for adhesive treatment of aramid fiber cords excellent in adhesive properties with hydrogenated acrylonitrile-butadiene rubber having little polarity.

SOLUTION: This method for adhesive treatment of aramid fibers is to apply a first treating solution comprising a polyisocyanate compound containing ≥ 2 isocyanate groups or its terminal-blocked compound as a main component, heat treat at a temp. of 80-130°C for 60-80 seconds, then, in a twisted state, apply a second treating agent containing (a) resorcin formalin, (b) 4-6 pts. solid wt. of a hydrogenated acrylonitrile-butadiene rubber latex based on 1 pt.wt. of resorcin formalin and (c) resorcin formalin containing 3-5 pts. solid wt. of chlorophenol based on 1 pt.wt. of resorcin formalin and heat treat at a temp. of 180-240°C for 60-180 seconds.